

ABSTRACT

[Abstract]

[Objectives]

The objectives are to provide a solid electrolytic capacitor having less occurrence of leakage current and a fabrication method therefor.

[Solutions]

In a solid electrolytic capacitor 100, a dielectric layer 2 of niobium oxide having high electrical insulation whose major component is niobium or oxygen, an electrolyte layer 3 and a cathode 4 are formed in the order on an anode 1 formed of niobium or niobium alloy, said dielectric layer 2 is composed of a first dielectric layer 21 containing fluorine formed on the anode 1 and a second dielectric layer 22 containing phosphorus or sulfur formed on the first dielectric layer 21 and fluorine concentration in said first dielectric layer 21 is decreased from the anode 1 side toward the second dielectric layer 22.